NCS DATA LOAD PROCEDURE

1. <u>VERIFY TIME CONSTRAINTS FOR DATA LOAD</u>

    ┌───┐
    │   NOTE   │
    │ 1. Determine if the Load requires a continuous uplink session or │
    │   can be done with ZOEs.   │
    │   │
    │ 2. Verify if the selected communications path supports performing │
    │   the load in a reasonable amount of time for the MDM checksum   │
    │   safing response to be disabled.   │
    └───┘

2. <u>LOG MDM CHECKSUMS</u>
    sel Software Health
    record CSCI Version ID _____

3. <u>SELECT LOAD IMAGE FILE TO UPLINK</u>

DNAV   Command Inventory: Data Load Preparation
        | Data Load Preparation |

        sel Select Load File
        Navigate to the load image file you want to uplink
        If load image file is a PPL
           √Version - <is correct version>

    ┌───┐
    │   NOTE   │
    │ The user must select the proper version of the load image file. There will │
    │ be separate files for loads to DRAM and EEPROM. For PPLs there is only │
    │ one file. For Adapation data there may be multiple files for a single update. │
    │ For Software loads there may be only one large file.   │
    └───┘

        √Destination Device - (N1-1,N1-2, N1 Primary, N1 Secondary)

            If load is to DRAM
             │ √Memory Location - DRAM
             │
            If load is to EEPROM
               √Memory Location - EEPROM

    √Start Address
      Should correspond to the address specified in the VDD.
    √Word Count
      Should correspond to the size specified in the VDD.

      Optional
        √Metering Rate - should be 1.00 for OIU cmd path, .67 for Early Comm
        input   Priority - (None, High, Urgent, Critical)
        input   Uplink after: (time to uplink data load after)
        input   Uplink by: (time to perform uplink by)
        input   Remarks: (Remarks to FMT Manager)

sel Submit to FMT

4. COORDINATION WITH THE FMT MANAGER

DVIS Call ODIN on the FMT DVIS loop to coordinate Uplink request. ODIN will perform
MDM configuration and uplink of data load.

5. VIEWING LOAD STATUS

CDDT Node 1: C&DH: Primary(Secondary) MDM

  NODE 1:C&DH:MDM:Primary(Secondary)

  √Frame Count - <incrementing>
  MDM is operational.

┌───┐
│   NOTE   │
│ Checksum errors may occur during the load process. │
│   sel MDM BIT Status   │
│   √BST A word # 24 - X   │
│   √BST A word # 2 - X   │
└───┘

DNAV Uplink Manager

  Uplink FMT Manager

  √FMT_Load_Status- 100% complete
  Record Data Load Commands _____

6. MAKING DATA LOAD PERMANENT
  Repeat this procedure if also loading to EEPROM.